

J1132 U.S. PTO  
02/14/02

U.S. GOVERNMENT PRINTING OFFICE 2001 16-700-000-000

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket PTZ21C1

First Inventor Rosen et al.

Title Nucleic Acids, Proteins, and Antibodies

Express Mail Label

11017 U.S.P.T.O.  
10/07/02

02/14/02

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original, and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 420]

(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed Sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 1]
5. Oath or Declaration [Total Pages 5]

- a.  Newly executed (original or copy)
- b.  Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76 (7 pages)

Box Patent Application  
ADDRESS TO: Commissioner for Patents  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or  paper
    - ii.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement (when there is an assignee)  Associate Power of Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP §03) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: 1. Statement Under 37 C.F.R. § 1.821  
2. Transmittal and Submission Under 37 C.F.R. §§ 1.824 and 1.52(e)

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 09/764,866

Prior application information: Examiner Clow, L. Group / Art Unit: 1631

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

**19. CORRESPONDENCE ADDRESS**

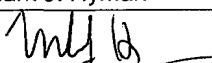
<input checked="" type="checkbox"/> Customer Number or Bar Code Label	22195	or <input type="checkbox"/> Correspondence address below
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Name			
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Address			
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City	State	Zip Code	
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Country	Telephone	Fax	
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Name (Print/Type)	Mark J. Hyman	Registration No. (Attorney/Agent)	46,789
Signature			Date February 14, 2002

J1132 U.S. PTO  
02/14/02

100-7463450 - DE21402

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032  
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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Application claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT**    (\$ ) **896.00**

### Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Rosen et al.
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	PTZ21C1

### METHOD OF PAYMENT (check all that apply)

Check     Credit Card     Money Order     Other     None

Deposit Account

Deposit Account Number    **08-3425**

Deposit Account Name    **Human Genome Sciences, Inc.**

The Commissioner is hereby authorized to: (check all that apply)

Charge fee(s) indicated below     Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid		
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge – late filing fee or oath	
127	50	227	25	Surcharge – late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(h))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$ ) 0.00**

\*\*or number previously paid, if greater; For Reissues, see above

### SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Mark J. Hyman	Registration No. (Attorney/Agent)	46,789	Telephone	(240) 314-1224
Signature	<i>Mark J. Hyman</i>			Date	February 14, 2002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Rosen et al.

Attorney Docket No.: PTZ21C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

**STATEMENT UNDER 37 C.F.R. § 1.821**

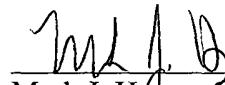
Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.821(f), Applicants hereby certify that the sequence listing information recorded in computer readable form and submitted herewith is identical to the written (on compact disc) Sequence Listing submitted herewith.

Respectfully submitted,

Dated: February 14, 2002

  
Mark J. Hyman  
Attorney for Applicants

Reg. No. 46,789

**Human Genome Sciences, Inc.**  
9410 Key West Avenue  
Rockville, MD 20850  
Telephone: (240) 314-1224

Enclosures

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Rosen et al.

Attorney Docket No.: PTZ21C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

**TRANSMITTAL AND SUBMISSION UNDER  
37 C.F.R. §§ 1.824 AND 1.52(e)**Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, each contain the file "PTZ21C1 seqlist.txt" (277,176 bytes in size, created February 13, 2002).

Respectfully submitted,

Dated: February 14, 2002

  
\_\_\_\_\_  
Mark J. Hyman  
Attorney for Applicants

Reg. No. 46,789

**Human Genome Sciences, Inc.**  
9410 Key West Avenue  
Rockville, MD 20850  
Telephone: (240) 314-1224

Enclosures